

BIALEK, E.; SLIWINSKA, H.

Average of Weltmann's reactions in chronic tonsillitis. Otolaryng. polska
11 no.1:71-74 1957.

1. Uzupełnienie do pracy pt. Odczyn Weltmanna zapaleniu migdałkow
podniebiennych. Szczecin, ul. Spółdzielcza 11 m. 5.

(TONSILLITIS, physiol.

Weltmann's test, (Pol))

(WELTMANN TEST, in various dis.
tonsillitis (Pol))

(BLOOD PROTEINS, in various dis.
in tonsillitis, (Pol))

BOZEK, Jozef; KARAJOSIFIDIS, Kostas; SLIWINSKA, Halina

Role of lipotropic factors in the regulation of disorders of vitamin A metabolism. Polskie tygod. lek. 12 no.44:1681-1684 4 Nov 57.

1. (Z Kliniki Pediatricznej Oddzialu Chirurgii Dzieciecej Pomorskiej Akademii Medycznej w Szczecinie; kierownik Kliniki: prof. dr med. B. Gornicki, kierownik Oddzialu: doc. dr med. E. Drescher i z Centralnego Laboratorium Panstw. Szpitala Klin. w Szczecinie; kierownik: lek. H. Sliwinska) Adres: Szczecin, ul. Lukasiewicza 3/4.

(VITAMIN A DEFICIENCY, exper.

ethyl ether-induced liver depletion, eff. of methionine & vitamin B12 (Pol))

(ETHER, ETHYL, eff.

exper. liver vitamin A depletion, eff. of methionine & vitamin B12 (Pol))

(METHIONINE, eff.

on liver vitamin A depletion induced by ethyl ether, with vitamin B12 (Pol))

(VITAMIN B12, eff.

on liver vitamin A depletion induced by ethyl ether, with methionine (Pol))

SLIWINSKA, HALINA

BOZKOWA, Krystyna; BOGUSZEWSKA-DABRYSOWA, Nina; SLIWINSKA, Halina

Vitamin A absorption in the gastrointestinal system in atreptic children. *Pediat. polska* 32 no.10:1135-114 Oct 57.

1. Z Kliniki Pediatricznej Pomorskiej A. M. w Szczecinie Kierownik: prof. dr med. B. Bornicki. Adres: Szczecin, ul. Unii Lubelskiej Klinika Pediatriczna A. M.

(VITAMIN A, metab.

gastrointestinal absorp. in inf. nutrition disord. (Pol))

(GASTROINTESTINAL SYSTEM, metab.

vitamin A absorp. in inf. nutrition disord. (Pol))

(INFANT NUTRITION DISORDERS, metab.

vitamin A absorp. in gastrointestinal system (Pol))

STARKIEWICZOWA, Julia, KORYCKA, Amelia, ~~SLIWINSKA~~, Halina

Blood and cerebrospinal fluid levels of isoniazid in tuberculous meningitis in children. Gruzlica, 26 no.4:275-286 Apr '58

1. Z Katedry Zespolowej Peditarii P.A.M. w Szczecinie Kierwnicy:
prof. Dr B. Gownicki, doc. dr J. Starkiewiczowa. Adres: Szczecin
ul. Curie-Sklodowskiej 12.

(TUBERCULOSIS, MENINGEAL, in inf. & child.
isoniazid in blood & CSF, determ (Pol))

BOZKOWA, Krystyna; BOGUSZEWSKA, Nina; SLIWINSKA, Halina

Amylolytic enzymes in children. *Pediat. polska* 32 no.7:809-819 July 58.

1. Z Kliniki Pediatrycznej Pomorskiej A. M. w Szczecinie Kierownik:
prof. dr med. B. Gornicki. Adres: Szczecin, ul. Unii Lubelskiej, Klin.
Pediatryczna P. A. M.

(AMYLASES,
physiol.)

(DUODENUM,
physiol.)

PIOTROPAWLOWSKA, Maria; GORNICKA, Zofia; SLIWINSKA, Halina

Blood vitamin C level in hypothreptic infants. *Pediat. polska* 33
no.2:179-188 Feb 58.

1. Z Katedry Zespolowej Pediatrii P.A.M. w Szczecinie Kierownicy:
prof. dr med. B. Gornicki, doc. dr med. J. Starkiewiczowa i z
Laboratorium Centralnego, P.S.K. w Szczecinie Kierownik: dr H. Sliwinska.
Adres: Szczecin, ul. Unii Lubelskiej. Klinika Pediatryczna A.M.
(INFANT, NUTRITION, DISORDERS, blood in.
vitamin C. in malnutrition (Pol))
(VITAMIN, C. in blood
in malnutrition in inf. (Pol))

TANIEWSKI, Jozef; PIASECKA, Alina; SLIWINSKA, Halina

Clinical aspects of prolonged paranasal sinusitis in children.
Otolaryngologia 15 no.1:47-53 '61.

1. Z Kliniki Otolaryngologicznej PAM w Szczecinie Kierownik: prof.
dr J. Taniewski i z Centralnego Laboratorium P.S.K. w Szczecinie
Kierownik: dr H. Sliwinska.

(SINUSITIS in inf & child)

STARKIEWICZOWA, Julia; KORYCKA, Amelia; SLIWINSKA, Halina

Renal clearance indices in rheumatic disease in children. *Pediatr pol*
36 no.1:25-32 '61.

1. Z I Kliniki Pediatricznej A.M. w Szczecinie Kierownik: doc. dr
med. J. Starkiewiczowa i z Centralnego Laboratorium P.S.K. nr 1
w Szczecinie Kierownik: lek. H. Sliwinska.

(RHEUMATIC FEVER physiol) (KIDNEY FUNCTION TESTS)

GORZKOWSKI, Edward; FIEDOROWICZ, Irena; SZYMANSKA, Hanna; SLIWINSKA, Halina;
przy wspoludziale laborantki MATUSZEWSKIEJ, Marii

Studies on the protein metabolism in liver cirrhosis. Pol. arch.
med. wewn. 32 no.10:1233-1242 '62.

1. Z II Kliniki Chorob Wewnetrznych PAM w Szczecinie Kierownik: prof.
dr med. E. Gorzkowski i z Centralnego Laboratorium PSK Nr 1 w Szczecinie
Kierownik: lek. med. H. Sliwinska.
(LIVER CIRRHOSIS) (BLOOD PROTEINS)

TANIEWSKI, Jozef; PIASECKA, Alina; SLIWINSKA, Halina

Sweat examination in chronic paranasal sinusitis in children.
Roczn. pom. akad. med. Swierczewski 9:343-350 '63.

1. Z Kliniki Otolaryngologicznej Pomorskiej Akademii Medycznej
Kierownik: prof. dr Jozef Taniewski.

(SWEAT) (SINUSITIS) (CHEMISTRY, ANALYTICAL)
(CHLORIDES) (PARANASAL SINUSES)

WOLYNSKA-BOCHNER, Sima; PRONICKA, Ewa; SLIWINSKA, Halina

Observations on the problem of biochemical disorders in rickets. *Pediat. pol.* 38 no.2:162-174 '63.

1. Z I Kliniki Pediatricznej PAM w Szczecinie Kierownik: prof. dr med. J. Starkiewiczowa i z Centralnego Laboratorium PSK nr 1 Kierownik: lek. H. Sliwonska.

(RICKETS) (CALCIUM METABOLISM DISORDERS)
(PHOSPHORUS METABOLISM DISORDERS)
(ACID-BASE EQUILIBRIUM)
(ALKALINE PHOSPHATASE) (AMINO ACIDS)
(PHOSPHORUS) (BLOOD CHEMICAL ANALYSIS)
(URINE)

STARKIEWICZOWA, Julia; BAJOREK, Jadwiga; SLIWINSKA, Halina

Renal clearance indices in premature and newborn infants.
Pediat. pol. 38 no.5:467-474 My '63.

1. Z I Kliniki Pediatrycznej PAM w Szczecinie Kierownik: prof.
dr med. J. Starkiewiczowa z Kliniki Polozniczo-Ginekologicznej
PAM Kierownik: prof. dr med. T. Zwolinski i z Centralnego
Laboratorium PSK nr 1 Kierownik: lek. H. Sliwinska.
(INFANT, PREMATURE) (KIDNEY FUNCTION TESTS)
(HIPPURATES)

STARKIEWICZOWA, Julia; SLIWINSKA, Halina; LACKI, Leon; CIESLAK, Elzbieta

Chromatography of amino acids in body fluids in leukemia.
Pediat. pol. 38 no.6:559-564 Je '63.

1. Z I Kliniki Pediatrycznej PAM w Szczecinie Kierownik: prof.
dr med. J. Starkiewiczowa i z Centralnego Laboratorium PSK
nr 1 w Szczecinie Kierownik: lek. H. Sliwinska.
(CEREBROSPINAL FLUID) (AMINO ACIDS)
(URINE) (ELECTROPHORESIS)
(LEUKEMIA) (BLOOD CHEMICAL ANALYSIS)

STARKIEWICZOWA, Julia; SLIWINSKA, Halina; LACKI, Leon

Blood serum proteins in acute leukemia in children. Pediat.
pol. 38 no.7:655-653 JI '63.

1. Z I Kliniki Pediatricznej PAM w Szczecinie Kierownik: prof.
dr med. J. Starkiewiczowa i z Centralnego Laboratorium PSK nr 1
Kierownik: lek. H. Sliwinska.
(LEUKEMIA) (BLOOD PROTEIN ELECTROPHORESIS)
(IMMUNOELECTROPHORESIS)

STARKIEWICZ, Julia; KORYCKA, Amelia; SLIWINSKA, Halina

Catamnesic studies on renal clearance indices in rheumatic children. Reumatologia (Warsz.) 2 no.3:225-230 '64.

1. Z I Kliniki Pediatricznej Pomorskiej Akademii Medycznej w Szczecinie (Kierownik: prof. dr J. Starkiewiczowa) i Z Centralnego Laboratorium PSK nr 1 (Kierownik: lek. H. Sliwinska).

ADRIAN FLORENT, JERZYUSKI, Ltd., SINDJESKA, Belgrade

absorption of paper through osmophy of free water held in the cerebrospinal fluid and blood in tuberculous meninges spread among cells in children. Fed. Res. J. 1941:100:2197. W 11.

1. 2 i Kliniki Lekarskiej i Polimorskiej Szkoły Medycznej
w Warszawie (Kierownik: prof. dr. med. J. Szankiewicz) i
3. Centralnego Laboratorium Mikr. i w Szczecinie (Kierownik
lek. H. Mielnicki).

SLIWINSKA, Halina

Ceruloplasmin level in the cerebrospinal fluid and blood serum
in tuberculous meningitis in children. Roczn. pom. akad. med.
Swierczewski 11:603-618 '65.

1. Z I Kliniki Pediatricznej Pomorskiej Akademii Medycznej
(Kierownik: prof. dr. med. Julia Starkiewiczowa) i z I Central-
nego Laboratorium P.S.K. nr.1 (Kierownik: dr. med. Halina
Sliwinska).

POKORA, Jan; MATUSZEWSKI, Marek; SLIWINSKA, Jadwiga

Desferal in the treatment of hemochromatosis. Pol. tyg. lek.
20 no.32:1205-1206 9 Ag '65.

1. Z II Kliniki Chorob Wewnętrznych AM w Lublinie (Kierownik:
prof. dr. med. Alfred R. Tuskiewicz) i z Centralnego Labora-
torium Klinicznego PSK 4 w Lublinie (Kierownik: doc. dr. med.
Tomasz Borkowski).

KOZULEWSKA, Halina; BORAŃSKI, Tomasz; SŁIWINSKA, Jadwiga; ABRAMOWICZ, Stanisław; ŚWIEŹICKI, Kazimierz; JESKE, Józef.

Investigations on the action of urea in the reduction of intracranial pressure. Ann. Univ. Lublin sect. B 19:21-35 " 64

1. Oddział Neurochirurgii Kliniki Chorob Nerwowych, Wydział Lekarski AM w Lublinie (Kierownik Kliniki: prof. dr. med. Halina Kozulewska) ; Centralne Laboratorium Kliniczne w Lublinie (Kierownik: prof. dr. med. Józef Jeske).

WOJCILO, Leon; SADIŁAK, Maria; SLIWINSKA, Jadwiga; KUJAWA, Romuald

The influence of a single drinking of low mineral content water from the "Miłosć" Spring in Naleczow on glomerular filtration, tubular water reabsorption, diuresis and on the elimination with urine of some electrolytes and uric acid. Ann. Univ. Lublin sect. D 19:291-298 '64

1. Katedra i II Klinika Chorob Wewnętrznych, Wydział Lekarski AM w Lublinie (Kierownik: prof. dr. med. Alfred R. Tuszkiewicz)
i Centralne Laboratorium Kliniczne P.S.K. Nr. 1 w Lublinie (Kierownik: doc. dr. med. Jerzy Krawczyński).

ZYCHOWICZ, Czeslaw; SLIWINSKA, Krystyna; KOZLOWSKI, Kazimierz

Hunter-Hurler and Morquio types of mucopolysaccharidoses.
Pediat. Pol. 40 no.8:815-823 Ag '65.

1. Z I Kliniki Chorob Dzieci AM w Gdansk (Kierownik: prof.
dr. E. Erecinski) z Wojewodzkiego Specjalistycznego Szpitala
Dzieciecego w Olsztynie (Dyrektor: lek. med. O. Szwalkiewicz)
i z I Kliniki Chorob Dzieci AM w Poznaniu (Kierownik: prof.
dr. T. Rafinski).

MULTANSKI, Stefan; SZENDZIKOWSKI, Stefan; SLIWINSKA, Maria

Benign tumor of the mediastinum (thymolipoma) as a cause of chronic circulatory insufficiency. Polski tygod. lek. 15 no.18:683-687
2 My '60.

1. Z III Kliniki Chorob Wewnętrznych A.M. w Łodzi; kierownik: prof. dr. med. Wacław Markert i z Zakładu Anatomii Patologicznej A.M. w Łodzi; kierownik: prof. dr. med. Aleksander Pruszczyński.
(THYMOMA compl.)
(MEDIASTINUM neopl.)
(HEART FAILURE CONGESTIVE etiol.)

KOZAKIEWICZ, Jerzy; SLIWINSKA, Maria .

Histology of deep lupus erythematosus in the light of observations made in the dermatological clinic of the Academy of Medicine in Gdansk. Przegl. dermat. 48 no.8/10:191-199 '61.

1. Z Kliniki Dermatologicznej A.M. w Gdansku Kierownik: Prof. dr Fr. Miedzinski.
(LUPUS ERYTHEMATOSUS pathol)

KLEINER, Erwin; SLIWINSKA, Maria

Remote results of griseofulvin therapy of dermatomycoses. Przegl.
derm. 49:217-219 '62.

1. Z Kliniki Dermatologicznej AM w Gdansk Kierownik: prof. dr
Fr. Miedzinski.
(GRISEOFULVIN) (DERMATOMYCOSES)

KLEINER, Edwin; SLI, Maria, Maria

Long-term results of griseofulvin treatment in onychomycosis.
Przegl. dermat. 52 no.4:143-148 Mr-Apr '65

1. Z Kliniki Dermatologicznej Akademii Medycznej w Gdansk.
(Kierownik: prof. dr. F. Miedzinski).

SLIWINSKA, Zofia

Technical and economic information in the service of progress
in Polish railway transportation. Przegl techn 86 no.6:11
7 F '65.

DEJAS, Maria; KASZUNOWICZ, Danuta; SIEMENSKA, Zofia; WYSPIER, Zofia

Tentative clinical evaluation of the value of estimation of
alpha-amylase in the saliva and blood serum in salivary gland
diseases. Pt.1. Czas. stomat. 18 no.8/9:1099-1103 Ag-S '65.

1. Z Kliniki Chirurgii Stomatologicznej AM w Poznaniu (Kierownik:
prof. dr. J. Stadnicki).

SLIWINSKI A

POLAND/Acoustics - Ultrasonics

J-4

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6560

Author : Sliwinski A.

Inst : -

Title : Optic Methods of Observing Ultrasonic Waves

Orig Pub : Proc. II. conf. ultrason., 1956, Warszawa, PWN, 1957, 227-231

Abstract : A brief survey of optical methods of visualization of ultrasonic waves in the liquid medium. In an experimental investigation of interference of light, emerging into air from a liquid after diffraction by ultrasound, the authors have obtained half the distance d between the interference planes, as would follow from the Nomoto formula $d = \Lambda^2 / 2\lambda$ where Λ and λ are the wavelengths of the sound and light respectively.
-- L.G. Mishchenko

Card : 1/1

SLIWINSKI, A.; SZWEYKOWSKI, P.

The influence of the density fluctuation of the medium on the propagation of the sonic impulse in the area close to the critical point. Pt. 1. p. 113.

AKYSTYKA. (Uniwersytet im. Adama Mickiewicza w Poznaniu) Poznan, Poland,
No. 2, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

-SLIVINSKIY, A. [Sliwinski, A.] (Pol'sha)

Special case of light diffraction on an ultrasonic wave in a
medium being in the critical state. Prim. ul'traakust. k issl.
veshch. no.14:65-69 '61. (MIRA 14:12)
(Diffraction) (Ultrasonic waves)

SLIWINSKI, Antoni

Influence of density fluctuations on ultrasonic waves in a binary liquid mixture near its critical solution point. Acta physica Pol
20 no.3:267-268 '61.

1. Institute of Acoustic and Vibration Theory, Mickiewicza University,
Poznan.


P/045/61/020/011/001/004
B102/B108

AUTHOR: Sliwiński, A.

TITLE: Fluctuation effects in ultrasonic light diffraction patterns
near the critical point

PERIODICAL: Acta Physica Polonica, v. 20, no. 11, 1961, 873 - 888

TEXT: The author studied light diffraction on an ultrasonic wave field in two different systems: CO₂ near the critical point and a critical solution of aniline in cyclohexane. The diffraction patterns were filmed at a rate of 12/sec, 175,000 pictures were taken altogether, in series of 10 - 20, to avoid heating of the substance. The experiments were made at various pressures and temperatures and for several intensities of the ultrasonic waves (1 Mcps): In CO₂ pressure was varied from 66 to 84 atm (critical pressure 73 atm) and temperature from 25 to 33°C (critical temperature 31°C). In aniline-cyclohexane (33.3% aniline) all measurements were made at atmospheric pressure between 38 and 30.7°C (i.e. down to the critical point of the solution). The results for the two systems differ



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B102/B108

Fluctuation effects in...

considerably from each other. In general, it may be said that the diffraction patterns in CO_2 have some periodical characteristics whereas no periodicity was found in aniline-cyclohexane. The diffraction fringes of both showed a fine structure. Results for CO_2 : The mean periodicity of appearance and diffidence of the pattern was found to be 0.48 sec. The mean time between two consecutive distinct patterns was 0.49 sec. The mean time between appearance of a symmetrical and that of an asymmetrical pattern was 1.81 sec. The absolute values were largely spread, the root-mean-square deviation was 2.59 sec. The mean duration of the sharp pattern arising after switching on the ultrasonic field near the critical point was 0.18 sec. Results for aniline-cyclohexane: No time constants were observed. The patterns were stationary for longer time periods both for sharp and diffident pictures. Diffidence was never complete. It is possible that some periodicity of fluctuation exists which has a very long period. The patterns did not change in the temperature range studied. However, 0.4°C above the critical point slight instabilities were observed. Diffidence reaches a maximum near 31°C , but is in any case smaller than for CO_2 . The highest order of fringes observed was 13. An initial

Card 2/3

Fluctuation effects in...

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B102/B108

diffluence was not found. Conclusions: The interaction between wave field and fluctuations leads to a curvilinear sound propagation and to the occurrence of discontinuities in the wave fronts. Light diffraction in such a medium is specific of nature and state of the substance. The difference between the two systems investigated is mainly due to the fact that different kinds of fluctuations arise. These fluctuations are understood as transitions between assemblies of one kind into assemblies of another kind. In the CO₂ system these are liquid-vapor transitions, in the aniline-cyclohexane system liquid-solution-liquid transitions. There are 13 figures and 14 references: 6 Soviet-bloc and 8 non-Soviet-bloc. The three most recent references to English-language publications read as follows: Brown, A. E. and Richardson, E. G., Phil. Mag., 4, 705 (1959a); Sliwiński, A., Proc. Vibr., 2, 121, (1961a); Sliwiński, A., Proc. Vibr., 2, (1961b) - in print. ✓

ASSOCIATION: Chair of Acoustics and Vibration Theory of the A. Mickiewicz University at Poznań

SUBMITTED: April 25, 1961

Card 3/3

SLIWINSKI, E.

Palletization of refrigerated cargo on the North American Line
of the Polish Ocean Lines. Tech gosp morska 15 no.3:89-91 Mr
'65.

1. Polish Ocean Lines, Gdynia

SLIWINSKI, E. (Krakow)

On some oscillation problems for the equation $\Delta^{(n)} u - f(y) u = 0$
in a three-dimensional space. Prace matem
Krakow 8 no.2:119-120 '64.

SLIWINSKI, E. (Krakow)

On a certain problem concerning the multiplicity of the eigenvalues of Dirichlet's boundary problem for Helmholtz' equations. Roczniki matematyczne 6:31-40 '61.

43046

P/515/61/006/000/003/003
I061/I261

24 6 1961

AUTHOR: E. Śliwiński (Cracow)

TITLE: Certain problems concerning eigen values and eigen functions for the plate and membrane.

SOURCE: Polskie Towarzystwo Matematyczne. Roczniki. Seria I. Prace matematyczne. v.6, 1961, 113-119

TEXT: The spectrum λ_{mn} and Λ_{mn} of the equations $\Delta u + \lambda u = 0$, $u=0$ on $E(K)$ and $\Delta(\Delta u) - \Lambda u = 0, u = \Delta u = 0$ on $E(K)$, where K is square $0 \leq x \leq \pi, 0 \leq y \leq \pi$ are investigated and the following theorems are proved: If $\lambda_{mn} = m^2 + n^2$ and $\Lambda_{mn} = (m^2 + n^2)^2$, (Ia) (IIa)

- 1) there exists an infinite sequence of eigen values common for the spectrum $\{\lambda\}$ and $\{\Lambda\}$;
- 2) $\Lambda_{m,n}$ belongs to $\{\lambda\}$ for any $m \neq n$;

Card 1/2

P/515/61/006/000/003/003
I061/I261

On certain problems concerning eigen...

3) there exists an infinite sequence $\lambda_{m,n}$ belonging to $\{\lambda\}$ and a sequence $\lambda_{m,n}$ which does not belong to $\{\lambda\}$;

4) $\lambda_{m,n}$ does not belong to $\{\lambda\}$.

The essential part of the proofs consists in the possibility of decomposition of the given number into the sum of squares. The problem for n-dimensional operators is also investigated and similar theorems are established. The analogous theorems on the properties of eigen functions, e.g., on the maximum number of Knots domains for eigen functions are proved.

Card 2/2

ADAMSKI, Stanisław; SLIWINSKI, Marian; WILK, Tadeusz

Cancer of the cardia. Polski przegl. chir. 33 no.7/8:738-740 '61.

1. Z II Kliniki Chirurgicznej AM w Łodzi Kierownik: doc. dr J.Moll.
(STOMACH NEOPLASMS)

SLIWINSKI, Marian

A possibility of the reconstruction of the bile ducts with the aid of fiber prostheses. Polski przegl. chir. 33 no 7/9:992-993 '61.

1. Z II Kliniki Chirurgicznej AM w Lodzi Kierownik: doc. dr J.Moll.
(BILE DUCTS surg)

MOLL, Jan; WILCZYNSKI, Marian; SLIWINSKI, Marian; ADAMSKI, Stanislaw;
SKOTNICKI, Stanislaw

Our observations on deep hypothermia in open heart surgery. Polski
przegl. chir. 33 no.7/9:1048-1051 '61.

1. Z II Kliniki Chirurgicznej AM w Lodzi Kierownik: doc. dr J. Moll.
(HEART SURGERY anesth & analg)
(HYPOTHERMIA INDUCED)

SLIWINSKI, Marian; ADAMSKI, Stanislav

Total gastrectomy for carcinoma. Cas.lek.cesk 100 no.13:389-391
31 Mr '61.

1. II chirurgická klinika Lekarske akademie v Lodzi, prednosta prof. dr.
Jan Moll.

(GASTRECTOMY) (STOMACH NEOPLASMS surg)

MOLL, Jan. TYBORSKI, Henryk; STASINSKI, Tadeusz; LORKIEWICZ, Zbigniew;
LUKOMSKA, Barbara; SLIWINSKI, Marian; ADAMSKI, Stanislaw;
SOKOLOWSKI, Konstanty; SKOTNICKI, Stefan

Treatment of cardiac defects with the use of the MPS 1 apparatus and deep hypothermia. Pol. arch.med.wewnet. 34 no.3: 299-306 '64.

1. Z Oddzialu Chirurgii Torakalnej Szpitala Miejskiego im. J.Strusia w Poznaniu i II Kliniki Chirurgicznej AM w Lodzi (kierownik: prof.dr.med.J.Moll) Zakladu Radiologii AM w Poznaniu (kierownik: prof.dr.med. B.Gladysz) i III Kliniki Chorob Wewnetrznych AM w Poznaniu (kierownik: prof.dr.med. K.Wysocki).

*

MOLL, Jan; LORKIEWICZ, Zbigniew; MICHALSKA, Jozefa; TYBORSKI, Henryk;
SLIWINSKI, Marian

Radical treatment of Fallot's tetralogy. Pol. przegl. chir. 36
no.12:1441-1450 D '64

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Lodzi; z
Oddzialu Chirurgii Torakalnej w Poznaniu (Kierownik: prof. dr.
J. Moll) i z Zakladu Radiologii Akademii Medycznej w Poznaniu
(Kierownik: prof. dr. B. Gladysz).

MOLL, Jan, prof. dr. med.; ADAMSKI, St.; SLIWINSKI, M.; SKOTNICKI, S.;
SOKOLOWSKI, K.

Our own experiences in the surgical treatment of constrictive
pericarditis. Pol. tyg. lek. 20 no.6:202-204 8 F '65

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Lodzi i
z Oddzialu Chirurgii Torakalnej Szpitala Miejskiego imeni
J. Strusia w Poznaniu (Kierownik: prof. dr. med. Jan Moll).

28

CA

Electrical constant control of first saturation. S. Szwinski and S. Hulanicki. *Gas. Cukrownicza* 76, 82-82, 107-17, 146-54(1935).—Installation of an elec. device for controlling the alky. of the juice during first satn. eliminates variations exceeding the normal values of 0.05-0.00% CaO. J. Wiertelak

ASM-A. METALLURGICAL LITERATURE CLASSIFICATION

BC

Handwritten notes in the top right corner: P 3 2

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Metallurgical control of production in sugar industry. (Abstract)
(Gas. Chem. 1960, 38, 24-25; Sug. Ind. Abstr., 1961, 12, 21)
The "polarograph" measuring instrument based upon illuminated
signs, measuring the contents of sugar in beet pulp;
distillation plant, for the contents of sugar in beet pulp;
readings are indicated by a colour device. Time, beet-throughput,
etc., are determined by means of the illuminated tubes. Comments
are provided for post-recording.

P. S. ASUP.

7
2
Silicones. XXXIV. Tetrakis(trimethylsiloxy)silane. S.
Sliwinski. *J. prakt. Chem.* [H], 2, 243-9 (1955); cf. C.A.
49, 16386a; 53, 16936h. — The hydrolysis and condensation
of a mixt. of SiCl_4 and Me_3SiCl yielded as one of the products
(Me_3SiO) $_4\text{Si}$, $b_{\text{m.p.}}$ 220.4°, n_D^{20} 1.3888, d_4^{20} 0.806.
Millard Maienthan

7E3d
299 (NB)
4E2C (y)

949

SED 1011, 5.

Devonian limestones and dolomites near Sieradz and the possibility of their
commercial utilization. n. 91.
/Zemski. Vol. 10, no. 1, 1961, Krakow, Poland)

SC: Graphical List of East European Accessions (FEAL) LC. Vol. 3, no. 12, Dec. 1957.
Vol.

Country : Poland D
Category : Cosmochemistry. Geochemistry. Hydrochemistry.
Abstr. Jour. : Ref Zhur-Khimiya, No 6, 1959 13931
Author : Sliwinski, S.
Instit. :
Title : Newly Discovered Occurrence of Zinc- and Lead
Ores in Devonian of Siewierz Area (Krakow
District)
Orig. Pub. : Przegl. geol., 1958, 6, No 6, 277-278

Abstract : Drilling has revealed dolomites containing
sphalerite and galenite. -- A. Yegorkin.

Card: 1/1

D-4

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B127/B207

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2209

AUTHORS: Rich. Müller, R. Köhne, S. Sliwinski

TITLE: Silicones. L. Defined methyl siloxanes with Si-H bonds

PERIODICAL: Journal für praktische Chemie, v. 11, nos. 5-6, 1960,
337-340

TEXT: Defined siloxanes of the structure $(CH_3)_2HSi(O_{1/2})$, $CH_3HSi(O_{1/2})_2$, $CH_3Si(O_{1/2})_3$, $HSi(O_{1/2})_3$, and $Si(O_{1/2})_4$ were obtained by co-hydrolysis and subsequent condensation of $(CH_3)_2HSiCl$ and CH_3H_2SiCl , respectively, with CH_3HSiCl_2 , CH_3SiCl_3 , $HSiCl_3$ and $SiCl_4$. A number of defined methyl- and methyl hydrosiloxanes has been described in a previous paper (Ref. 1). They were either prepared by co-hydrolysis and co-condensation or by an "equilibrating procedure" in which hexamethyl disiloxane, $(CH_3)_6Si_2O$, was dissolved in 80% H_2SO_4 and the multifunctional chloro silane, $(SiCl_4, CH_3SiCl_3)$, was added by drops. Thus, the latter was hydrolyzed by

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Silicones. L. Defined methyl ...

H_2SO_4 and "equilibrated" with the excess hexamethyl disiloxane. Equilibration could also be applied to the trifunctional silicon chloroform, $(HSiCl_3)_x$, Tris(trimethyl siloxy)silane, $(T^H M_3)$, and tetrakis(trimethyl siloxy)1,3-dihydrodisiloxane, $(T^H M_4)$, were thus obtained. The Si-H bond of $(HSiCl_3)_x$ was not attacked by the 80% H_2SO_4 . The authors did not, however, succeed in reacting the monofunctional tetramethyl-1,3-dihydrodisiloxane, $(CH_3)_2HSiOSiH(CH_3)_2$, in 80% H_2SO_4 with silicon tetrachloride, methyl trichloro silane, or silicon chloroform. The hydrogen bound to silicon reacted strongly with sulfuric acid under the formation of sulfur dioxide. Siloxanes with Si-H bonds in the monofunctional component were therefore only obtained by co-hydrolysis and co-condensation of the respective chloro silanes. (W. Müller, Graduate Chemist, prepared methyl dihydro monochloro silane by disproportionating methyl dichloro silane in the presence of dimethyl cyanamide). The compounds contained the following radicals:

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Silicones. L. Defined methyl ...

a) Formel	b) Kurzsymbol	c) Funktionalität
$\begin{array}{c} \text{O} \\ \vdots \\ \text{O}-\text{Si}-\text{O} \\ \vdots \\ \text{O} \end{array}$	Q	4
$\begin{array}{c} \text{O} \\ \vdots \\ \text{O}-\text{Si}-\text{O} \\ \vdots \\ \text{CH}_3 \end{array}$	T	3
$\begin{array}{c} \text{O} \\ \vdots \\ \text{O}-\text{Si}-\text{O} \\ \vdots \\ \text{H} \\ \text{CH}_3 \end{array}$	TH	3
$\begin{array}{c} \text{O} \\ \vdots \\ \text{O}-\text{Si}-\text{O} \\ \vdots \\ \text{H} \\ \text{CH}_3 \end{array}$	DH	2

Card 3/6

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Silicones. L. Defined methyl ...

$\begin{array}{c} \text{O}-\text{Si}-\text{CH}_3 \\ \\ \text{CH}_3 \\ \\ \text{CH}_3 \\ \\ \text{O}-\text{Si}-\text{CH}_3 \\ \\ \text{H} \\ \\ \text{CH}_3 \\ \\ \text{O}-\text{Si}-\text{H} \\ \\ \text{H} \end{array}$	$\begin{array}{c} \text{M} \\ \\ \\ \text{M}^{\text{H}} \\ \\ \text{M}^{\bullet} \end{array}$	$\begin{array}{c} 1 \\ \\ \\ 1 \\ \\ 1 \end{array}$
--	---	---

X
40
45
50
55
60

(a = formula, b = short symbol, c = functionality). Table 2 gives the physical data of the prepared methyl hydrosiloxanes. The siloxanes containing monofunctional groups with Si-H bonds are strong reducing agents. Aqueous copper sulfate-, silver nitrate-, and mercury chloride

Card 4/6

SLIWINSKI, Stefan, dr. inz.

The Olkusz strata. Rudy i metale 6 no.12:526-529 D '61.

SLIWINSKI, Stefan

1. "Origin, Development and Perspectives of the Geological Enterprises of Opoczno," Łączęk Świąteczny, Director of the Geological Enterprises of Opoczno, 1977, Piekoszyn: Wydawnictwo Geologiczne V. Kraków, pp. 129-131.
2. "New Studies on Ore-bearing Localities," Stefan Sliwinski, of the Geological Enterprises of Opoczno, 1977, Piekoszyn, pp. 131-138.
3. "Characteristics of Mineralization of the Hornswojce Bed in the Elzbieta-Opoczno Monocline," Kazimierz Pilecki, of the Geological Enterprises of Opoczno, English summary, pp. 138-144.
4. "Occurrence of Chromites at Tarnobrzeg (Lower Silesia)," Andrzej Blicharz of the Geological Enterprises of Opoczno, English summary, pp. 144-150.
5. "Previous Results of Study on the Utility of Elzbieta-Opoczno Monocline (Dziadowa) from Łączęk Świąteczny, near Tarnobrzeg," Włodzisław Kozłowski, of the Geological Enterprises of Opoczno, English summary, pp. 150-155.
6. "Activity of the Geological Institute in Methodology and Scientific-Technical Information," Jan Kozłowski, of the Geological Institute (Institute of Geology), pp. 156-157.
7. "New Trends in the Construction of Modern Scientific and Technical Information," Jan Kozłowski, of the Geological Enterprises of Opoczno, English summary, pp. 157-160.
8. "Trends and Results of Applying Geophysics in Exploring Geology," Jan Kozłowski, of the Geological Enterprises of Opoczno, English summary, pp. 160-165.
9. "Geological Period and Continuous Verification of 'Ogocin' and 'Opoczno' Geological Enterprises," Stefan Sliwinski, pp. 166-169.
10. "Jurisdiction and Organizational Problems," Z. Zolnowski and F. Sroczynski, pp. 169-172.

- 1/2 -

SLIWINSKI, Stefan

Recent studies on ore-bearing dolomites. Przegl geol 10
no.3:131-138 Mr '62.

1. Przedsiębiorstwo Geologiczne, Krakow

SLIWINSKI, Stefan

Ore mineralization occurring in Devonian and Triassic rocks of the Siewierz area. Roczn geol Krakow 34 no.1/2:151-190 '64.

1. Department of Ore Deposits, School of Mining and Metallurgy, Krakow.

ROZDZIAŁ XI, Stefan; SŁOWNIK XI, Stefan

Geologic structure of the northern part of the mountainous area of Khasagtu-Khairkhan-Ul in West Mongolia. Roczn geol Krakow 5: no.4:597-604 '64.

1. Institute of Geology, Warsaw, and School of Mining and Metallurgy, Krakow.

CO

Application of activated carbon in the sugar industry. Methods of preparation of active carbon and the possibility of its manufacture from molasses. T. SAWYERS. *Carb. Chronica* 68, 571-84, 589-610(1931).-- Characteristics of various active carbons are compared with those of a carbon prep. from molasses. The manuf. of active charcoal from molasses is advocated. J. WIERTELAK

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

62

19

Industrial applications of activated charcoal. Tadous
Sliwinski. *Przemysl Chem.* 17, 247-54(1938).--An ad-
dress concerned principally with the development of ac-
tivated charcoals in Poland and relating chiefly to the
sugar industry. A. C. Zachlin

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

12

SA

Sugar as a raw material for chemical industries. Tad-
cusz Sliwinski. *Przemysl Chem.* 10, 101-11(1934).—Com-
version of sugar to glycerol and sucrose nitrate is dis-
cussed. Explosiveness of sugar powder is reviewed.
A. C. Zachlin

ASM-51A METALLURGICAL LITERATURE CLASSIFICATION

28

ca

Sugar as a raw material. Tadeusz Sliwinski. *Przemysl Chem.* 20, 151-3(1936). A.C. Zachlin

ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION

STON: 519 08176

61341 10-179

61341 11 061 089 410

16

Obtaining glycerol by fermentation. Tadeusz Sliwinski. *Przeglad Chem.* 2, 371-5(1938).—A report on the investigations of the author and his collaborators (1929-30) on the production of glycerol from beet sugar by fermentation. R. Jozefowicz

ASAC 51A METALLURGICAL LITERATURE CLASSIFICATION

P. 1A

Mech. & Elec. Engineering

318

Śliwiński T. Work of Induction Motors Supplied from an Asymmetrical Voltage System. 621.313.333

„Praca silników indukcyjnych zasilanych niesymetrycznym układem napięć”. Przegląd Elektrotechniczny. No. 7—8, 1950, pp. 325—331, 8 figs., 1 tab.

The article deals with the application of the method of symmetrical components for the testing of working conditions of induction motor, supplied from an asymmetrical three-phase voltage system. By applying an equivalent diagram, it is possible to determine, in a

lucid manner and sufficiently accurately for practical purposes, the currents and the input and output of the motor. Three examples quoted suggest various possibilities of applying this method.

SLIWINSKI, T.

Sliwinski, T. Transformatory. Warszawa, Państwowe Wydawn. Szkolnictwa Zawodowego,
1952. 408 p. [Transformers. illus.]

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, LC, VOL. 3 no. 4, APRIL 1954.

Slawinski T. Shaft Currents in Synchronous Machines.
Prądy łożyskowe w maszynach synchronicznych. Prace Inst.
Elektrot. No. 2(50), Warszawa, 1953, PWT, 8 pp. 13-19

Review and substantiation of the occurrence of stray currents in the shaft and bearings of synchronous generators. Description of the process and of the results of tests carried out on 4 turbo-generators. Means of preventing the occurrence of shaft currents. Shaft currents may be caused by stray currents of two kind: 1) the passage of constant or variable magnetic flux through the generator shaft; 2) variable magnetic flux coupled with the path of the magnetic circuit formed by the shaft, bearing brackets and bedplate. Variable currents alone, induced in the circuit formed by shaft, bearings and bedplate, may cause deleterious effects. The first group of remedies to counteract shaft currents is based on the generation of a flux in opposition to that which induces the e.m.f. in the generator shaft. A measure frequently made use of is the shunting, by means of two brushes placed on both ends of the shaft, and connected with the bedplate, of the bearings. A radical method is to break the circuit through which the shaft current is flowing.

Sliwinaki, T.

4112

621.313.003.12 : 338.3.004.12 : 331.214.4 : 621.3.018.1

Sliwiński T., Wdowiak B. Valuation, by Analysis of Total Depreciation and Operation Costs, of an Electric Machine Series.

„Ocena serii maszyn elektrycznych metodą analizy łącznych kosztów amortyzacji i eksploatacji”. Przegląd Elektrotechniczny. No. 5, 1955, pp. 327—335, 5 figs., 1 tab. *mech*

Methods of conceiving economic problems connected with designing electric machines in capitalist and socialist conditions. Criterion for comparing induction motor series. Determination of the annual running costs of motors by totalling depreciation of production own-cost and operation cost. Examples of computations, revealing the marked influence of motor efficiency and the power factor on annual running costs. 2

SLIWINSKI, T.

621.318.16 : 621.318.718.4
1936. SINGLE PHASE INDUCTION MOTOR WITH AN AXIAL
MAGNETIC FIELD. T. Sliwinski.
Arch. elektrotech. (Warsaw), Vol. 4, No. 4, 101-117 (1956). In Polish.
The motor has a stator consisting of two identical halves free
to rotate w.r.t. each other. This permits a smooth change of speed
and direction of rotation. The rotating field, produced by con-
necting one phase to the mains via a series capacitor, is paral-
lel to the motor axis. Five designs are discussed and development
work is still in progress. The characteristics of the motor have
been derived using the pulsating magnetic field technique to avoid
consideration of harmonics. The motor is particularly useful in
automatic systems and low power drives requiring continuous speed
control.
M.W. Makowski

(BT) amb

POL/19-8-3-6/10

8(2,5)

AUTHOR: Straszewski, A. and Sliwiński, T.
TITLE: Analyzer for Calculating Induction Motors
PERIODICAL: Archiwum elektrotechniki, 1959, Vol 8, Nr 3, pp 469-498 (Poland)
ABSTRACT: The article describes an analyzer for calculating induction motors, built by the authors, under the direction of Professor, Doctor, Engineer Dubicki, B. A block scheme of the main circuit of this analyzer will be found in Fig 14 and a front, side and rear view in Fig 15. The performance of induction motors is usually calculated by analytic methods or graphical methods such as circle diagrams, on the basis of an equivalent circuit. These calculations tend to be complex in the case of motors with high bars in the rotor or double squirrel cage motors and even more so in case of single phase motors. The authors describe here the Moneca network calculator built by the Westinghouse Corp. for calculating the performance. ✓

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POL/19-8-3-6/10

Analyzer for Calculating Induction Motors

equivalent circuits of different kinds of induction motors. By measuring voltage, current and power in the circuit, the performance of the motor may be predicted. The equivalent circuit is made up of a decade set of resistances, reactances and capacitances, its characteristic feature being the substitution of reactances for capacitances and vice-versa. This makes for greater accuracy in calculation since losses in capacitors are much smaller than losses in choke coils. The authors at this point reproduce at length the results of preliminary measurements made on model circuits. They consider that these results fully justify their initial assumptions. An analysis of unit values of resistances and reactances was performed and the limits of the possible values of circuit constants for motors of different powers and voltages were determined. As far as the analyzer's power supply is concerned, a frequency of 500 cycles. ✓

Card 3/5

POL/19-8-3-6/10

Analyzer for Calculating Induction Motors

ASSOCIATION: Zakład maszyn elektrycznych instytutu elektrotechniki
politechniki Warszawskiej (Electric Machines Section
of the Institute of Electrical Engineering of the
Warsaw Polytechnic)

Card 5/5

SLIWINSKI, T.; STRASZEWSKI, A.

Analyzer for computing induction motors. p.68

WIADOMOSCI ELEKTROTECHNICZNE. (Stowarzyszenie Elektrykow Polskich, Centralny Zarzad Energetyki, Centralny Zarzad Przemyslu Maszyn Elektrycznych i Centralny Zarzad Przemyslu Kablowego) Warszawa, Poland. Vol.19, no.3, Mar. 1959

Monthly List of East European Accessions Index, (EEAI) LC, Vol.8, no.64
June 1959
Uncl.

JAWORSKI, W.; SLIWINSKI, T.

Calculation of induction motors using electronic digital computers.
Przegl elektrotechn 38 no.3:104-108 Mr '62.

1. Instytut Elektrotechniki, Warszawa.

SLIWINSKI, W.

"Soviet Achievements as an Example for Polish Refinery Technique." p. 293
Nafta, Vol. 7, No. 11, Nov. 1951, Krakow)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June,
1954, Uncl.

SLAWINSKI, W.; NOSOWICZ, M.

For the position of Chief Engineer of Motorization. p. 148.

(MOTORYZACJA, Vol. 12, No. 6, June 1957, Warszawa, Poland.)

SO: Monthly List of East European Accessions (EEAL) Ec. Vol. 6, No. 10, October 1957. Uncl.

SLIWINSKI, W.

"Adverising instead of oleomargarine."

p. 4 (Rolnik Spoldzielca) Vol. 10, no. 2, Jan. 1958
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

SLIWINSKI, W.

"The Agricultural Cooperative Center of the Peasant Self-Help Union
has its own imported commodities".

p. 4 (Rolnik Spoldzielca) Vol. 10, no. 5, Feb. 1958
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

NOSOWICZ, Mieczyslaw, doc. inz.; SLIWINSKI, Wladyslaw

The technological background of automotive transportation in
Krakow Voivodeship. Przegl mech 21 no.9/10:293-294.
10-25 My '62.

1. Politechnika, Krakow

POLAND

SLIWINSKI, Waldemar, First Clinic of Obstetrics and Gynecology (I Klinika Poloznictwa i Chorob Kobietych), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. med. Tadeusz BULSKI)

"Manual Help Modo Bulski in Breech Presentation."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 28, 8 Jul 63, pp 1026-1029

Abstract: [Author's English summary modified] Author discusses breech presentation, perinatal mortality, and help afforded in such cases. He then describes the Bulski method of manual help, describing it as easy to perform and safe for both infant and mother, and in which difficulties may be encountered only in exceptional cases in the third period of labor. There are 13 references: 7 Polish, 4 German, and 2 in English.

1/1

SLIWINSKI, Waldemar

On the effect of some pharmacological preparations on functioning of the uterus and cervix uteri following labor. Ginek. pol. 33 no.3: 337-344 '62.

1. Z I Kliniki Położnictwa i Chorob Kobietych AM w Warszawie Kierownik: prof. dr T. Bułski.

(SCOPOLAMINE)	(MEPERIDINE)	(MUSCLE RELAXANTS)
(OXYTOCIN)	(PROMAZINE)	(ACETYLSALICYLIC ACID)
(UTERUS)	(PUERPERIUM)	

BULSKI, Tadeusz; SLIWINSKI, Waldemar

Controlled labor. Ginek. pol. 33 no.3:345-357 '62.

1. Z I Kliniki Poloznictwa i Chorob Kobietych AM w Warszawie Kierownik:
prof. dr med. T. Bulski.

(NATURAL CHILDBIRTH)

SLIWINSKI, Z.

Remarks on methods of interpretation of seismic waves reflected from the steep structures of lowlands.

p. 281 (Nafta) Vol. 13, No. 10, Oct. 1957, Krakow, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN, 1958

SLIWINSKI, Zygmunt, mgr., inż.

Velocity and depth connections in the Cretaceous of the Lodz-Stettin Synclinalorium. Nafta Pol 17 no.19:334-338 '61.

1. Przedsiębiorstwo Państwowe "Poszukiwania Naftowe"

SLIWINSKI, Zygmunt

Seismic velocities in the light of vertical time analysis of deep bore-holes made in the Lodz-Szczecin synclinorium. Przegl geolog 10 no.2F:94-96 '62.

SLIWINSKI, Zygmunt

Ledra aurita L., the hopper with ears. Wszechswiat no.7/8:216
Jl-Ag '62.

S/169/63/000/002/098/127
D263/D307

AUTHOR: Śliwiński, Zygmunt

TITLE: The relation between velocity and depth in the chalk deposits of the Łódź-Szczecin synclinorium

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 21, abstract 2D125 (Nafta (Polska), 1961, v. 17, no. 12, 334-338 (Pol.))

TEXT: The results are given of the measurements of mean velocities measured in wells bored in the chalk deposits of the Łódź-Szczecin synclinorium. The velocity-depth relationship is considered by analyzing the layer and interval-velocities. It is shown that the velocity increases with depth. [Abstracter's note: Complete translation.]

Card 1/1

SLIWINSKI, Zygmunt, dr inz.

Prospects for complex application of methods of surface geophysics
in prospecting for crude oil and natural gas deposits in Poland. Nafta
21 no.1:5-8 Ja '65.

1. Office of the Petroleum Industry for Documentation and Geologic
Planning, Krakow.

KWAPNILLWSKI, Zbigniew; SLIWIOK, Jozef

Application of fuchsine dyes as developers in paper chromatography of higher fatty acids. Chem anal 8 no.3: 433-435 '63.

1. Department of Organic Chemistry, Pedagogic School, Katowice.

KWAPNIEWSKI, Zbigniew; SLIWIOK, Jozef.

Petroleum as a stationary phase in paper chromatography of higher fatty acids. Chem anal 8 no.5:771-774 '63.

1. Department of Organic Chemistry, Pedagogic School, Katowice.

KWAPIELSKI, Zbigniew, prof. dr; SLIWICK, Jozef, dr

Detection of high fatty acids on paper chromatograms. Chem anal
9 no.1:119-121 '64.

1. Department of Organic Chemistry, Pedagogic School, Katowice.

SLIWKA, Jan, mgr. inz. (Katowice)

Twenty-ninth scientific and Technical Conference of the Association
of Polish Geodesists in Katowice. Przegl geod 35 no.8:357-358
Ag '63.

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S/137/62/000/010/023/028
A052/A101

12300

AUTHOR: Sliwka, Wladislaw

TITLE: The strength of joints and structural elements produced by spot welding

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 10, 1962, 17 - 18, abstract .
10E82 ("Techn. motoryz.", v. 12, no. 1, 1962, 1 - 6, Polish)

TEXT: The shearing, tensile and torsional strength of joints is compared. It is pointed out that according to the Polish standards PN/M-69021 the minimum pitch of spots at constant loads is $3d$ and at variable loads $2d$, where d is the diameter of the spot. According to standards the strength of a double-shear joint with two tie plates is by 40% higher than that of a single-shear joint. The effect of a structural notch at an alternating loading is discussed. According to the published data an annealing at $650 - 700^{\circ}\text{C}$ of a low-carbon steel spot joint with a thickness $t = 1 \text{ mm}$ increased σ_w at an alternating tension merely by 7% which is explained by the decrease of favorable compressive stresses in the affected zone. Peening, by reducing the gap between the sheets and also by

Card 1/3

The strength of joints and structural elements...

S/137/62/CCO/010/023/028 ..
A052/A101

load of the wheel. It is suggested in the literature to determine $\sigma_{w al} = \sigma_w / 1.5$ for sheets $t \leq 2$ at a fatigue stress, where σ_w is taken from an experimental dependence for a given joint at a given cycle. If $d = 5 \sqrt{t}$, the number of spots is determined from the equation $P_{max} / n \cdot F = \tau \cdot 0.65 \sigma_{w al}$, where n is the number of spots and τ is the tangential stress. At a pitch of $> 2d$ the coefficient $a = 0.4 - 0.7$ is introduced so that $\sigma_{w seam} = P_{max} / F_{seam} < a \sigma_{w al}$. At a pitch of $2d$ it is recommended to take $\tau = P_{max} / n F_{seam} < 0.65 \sigma_{al st}$. The Polish draft standard PN/M-6902i provides for the determinations of allowable loads only on the basis of experimental dependences obtained at a corresponding character of the cycle. There are 12 references.

M. Tapel'zon

[Abstracter's note: Complete translation]

X

Card 3/3

SLIWOWSKA, Krystyna, mgr., inż.

A comparison of the results of the laboratory research with those of field research made at the dam of the first working period of the construction works for the Dabie cascade. Gosp wodna 21 no.12:541-542 D '61.

1. Zaklad Hydrotechniki, Instytut Gospodarki Wodnej, Warszawa.

SLIWOWSKA, Wirginia

Sudden vertigo in children. Otolaryng. pol. 16 no.4:621-627 '62.

1. Z Oddziału Laryngologii Dziecięcej II Kliniki Pediatrycznej AM w
Warszawie Kierownik: doc. dr med. J. Daniel~~ewicz~~^{ewicz}.
(VERTIGO)

SLIWOWSKA, Wirginia

Indications for the use of vitamin A in the treatment of deafness and remarks about hypervitaminosis. Otolaryng. Pol. 19 no.2:275-280 '65.

1. Z Oddzialu Laryngologii Instytutu Reumatologii w Warszawie (Kierownik: dr. med. T. Bardadin).

LEWENFISZ-WOJNAROWSKA, Teofila; BLAIM, Alicja; SLIWOWSKA, Wirginia

Syndrome of congenital deafness and goiter (Pendred's syndrome).
Endokr. Pol. 14 no.6:627-638 N-L '63.

1. II Klinika Pediatria Akademii Medycznej w Warszawie
(Kierownik: Prof. dr T. Lewenfisz-Wojnarowska).

SLIWOWSKA, Wirginia

Notes on the pathogenesis and therapy of obstructed eustachian tubes in children. Otolaryng. pol. 17 no.4:380-382 '63.

1. Z Oddziału Laryngologii Dziecięcej II Kliniki Pediatrycznej w Warszawie. Kierownik: doc.dr.med. J.Danielewicz.

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